

November 11, 2003

Philip C. Mendes da Costa  
B.Sc. (Chem. Eng.), LL.B.  
416 957 1695 pmdcosta@bereskinparr.com

Your Reference: N/A  
Our Reference: 11157-68/PMdC

**INFORMATION DISCLOSURE  
STATEMENT UNDER CFR.1.56 and CFR 1.97(b)**

The Commissioner of Patents  
and Trademarks  
Washington, D.C.  
U.S.A 20231

Dear Sir:

**Re: New Divisional United States Patent**  
**For: PROCESS FOR PRODUCTION OF ALCOHOLS**  
**Applicant: Chuang et al**

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In accordance with 37 CFR 1.97 and 1.98, and in recognition of the duty of disclosure set forth in 37 CFR 1.56, the applicant hereby submits an Information Disclosure Statement including a listing of patents and other publications of which the applicant is aware on form PTO-1449.

In accordance with the requirements of 1.97(b)(1) and (3), this Information Disclosure Statement is filed within three months of the filing date of the application or before the mailing date of a first Office Action on the merits, whichever event occurs last.

**(A) List of References**

A list of the patents and other publications of which the applicant is aware is set out in the attached PTO Form 1449 which is attached hereto.

**(B) Copies of References**

Copies of the references were either provided or were cited by the Examiner during the prosecution of parent application/patent number 09/759,304. Pursuant to the provisions of 37 CFR 1.98(d), the Examiner is kindly referred to the parent cases for copies of the said references.

*Please send all correspondence to the Toronto office:*


Scotia Plaza, 40 King St. West, 40th Floor,  
Toronto, Ontario, Canada M5H 3Y2  
Tel: 416.364.7311 Fax: 416.361.1398

2000 Argentia Rd., Plaza 4, Ste. 430,  
Mississauga, Ontario, Canada L5N 1W1  
Tel: 905.812.3600 Fax: 905.814.0031

Waterloo Technology Campus, 408 Albert St., Ste. 2,  
Waterloo, Ontario, Canada N2L 3V3  
Tel: 519.783.3210 Fax: 519.783.3211

Accordingly, the applicant submits that the Information Disclosure Statement is properly considered at this time.

Respectfully submitted,



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Philip C. Mendes da Costa  
Registration No. 33,106  
/as  
Encl.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>	
	Application Number	N/A		
	Filing Date	N/A		
	First Named Inventor	Chuang		
	Group Art Unit	N/A		
	Examiner Name	N/A		
	Attorney Docket Number	11157-68/PMdC		
Sheet	1	of	1	

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1	US-4,469,903	09-04-1984	Schmidt	
	2	US- 4,760,202	07-26-1988	Dettmer et al.	
	3	US- 4,760,203	07-26-1988	Carls et al.	
	4	US- 5,221,441	06-22-1993	Smith, Jr.	
	5	US- 5,488,185	01-30-1996	Ramachandran et al.	
	6	US- 3,948,681	04-06-1976	Burger, Jr. et al.	
	7	US- 4,911,803	03-27-1990	Kunz	
	8	US- 3,280,014	10-18-1966	K. W. KORDESCH ET AL	
	9	US- 4,982,022	01-1991	Smith Jr. et al	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		WO 99/44253	09-02-1999	BALLARD POWER SYSTEM INC.		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.  
<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

1

**Complete if Known**

Application Number

N/A

Filing Date

N/A

First Named Inventor

Chuang

Group Art Unit

N/A

Examiner Name

N/A

Attorney Docket Number

11157-68/PMdC

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	Azeotropic and Extractive Distillation, Interscience Library of Chemical Engineering and Processing, John Wiley and Sons, New York (1964), pp. 165-168 and 179-203.	
	2	WANKAT in Equilibrium Staged Separations, Elsevier, New York (1988); pp 301-335.	
	3	LINNEKOSKI et al. in Applied Catalysis A: General, vol. 170 (1998), pp. 117-126.	
	4	GONZALEZ et al., Industrial and engineering Chemistry Research, 1997, 36, 3845-3853.	
	5	Hydrocarbon Processing, November 1972, pp. 113-116.	
	6	ODIOSO et al., Industrial and Engineering Chemistry, March 1961, vol. 53(3), pp. 209-211.	
		Kishimoto, Hirotatsu et al; Amorphous Alloy Electrodes for Electrooxidation of Propane; Chemical Abstract accession no. 123: 125466; XP-002193071; abstract.	

Examiner  
Signature

Date

Considered

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<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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